Grade 7 – Strand: Geometric Relationships

Pre-Knowledge What do you need to know to start learning this concept?	**Concept**	**Future Concepts** What future concepts can you learn once you understand this concept?	**Real World Connection** How does learning this connect connect to the real world in a meaningful?
• **Recognizing and classifying shapes**	• **Similar shapes**	• **Learning to find the unknown angle**	• **Need to know ratios and similar triangles for builders/engineers/architects**
• **Recognizing and classifying shapes**	• **Tools and strategies for comparing shapes**	• **Area/perimeter problems (finding areas of smaller shapes, adding the areas to find the total area)**	• **Stocking shelves, packing (moving trucks, camping bags, etc)**
• **Measurements of angles and lengths** • **Previous experience drawing triangles, classifying triangles**	• **Minimum information required to describe/draw a unique triangle**	• **COS law, SIN law, sum of the interior angles**	• **In blueprints, drawers don't necessarily label everything, and you should know how to calculate certain angle/length measurements by induction**
• **Computing area and perimeter, recognizing congruent shapes**	• **Finding relationships between area/perimeter/lengths of congruent shapes**	• **Understanding whether relationships are linear, quadratic, cubic, etc.**	•
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